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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

Simple Machines

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| **Across**  **2.** unit to measure power; 550 foot-pounds per second  **3.** wheel or crank attached to a rod  **5.** machine used for lifting very heavy objects  **6.** Use this to gain force, speed, or distance  **7.** inclined plane wrapped around a cylinder  **10.** applying force to move an object from one place to another  **11.** force of attraction between two masses  **14.** wheel with teeth or cogs that engage others  **15.** objects at rest stay at rest, objects in motion keep moving  **17.** resistance caused when one object moves against another  **19.** leaning surface along which objects can be pulled or pushed  **20.** Work done compared to work put in  **21.** "resting" point of a lever | **Down**  **1.** simple machine that is thick at one end and slopes to a thin edge at the other  **4.** force to be overcome by a machine  **8.** unit for measuring work done  **9.** force exerted on a machine  **12.** push or a pull  **13.** device used to make work easier  **16.** weight placed on a machine  **18.** grooved wheel over which a rope or chain is passed |